OIPE
JUL 19 2005
PATENT & TRADEMARK OFFICE

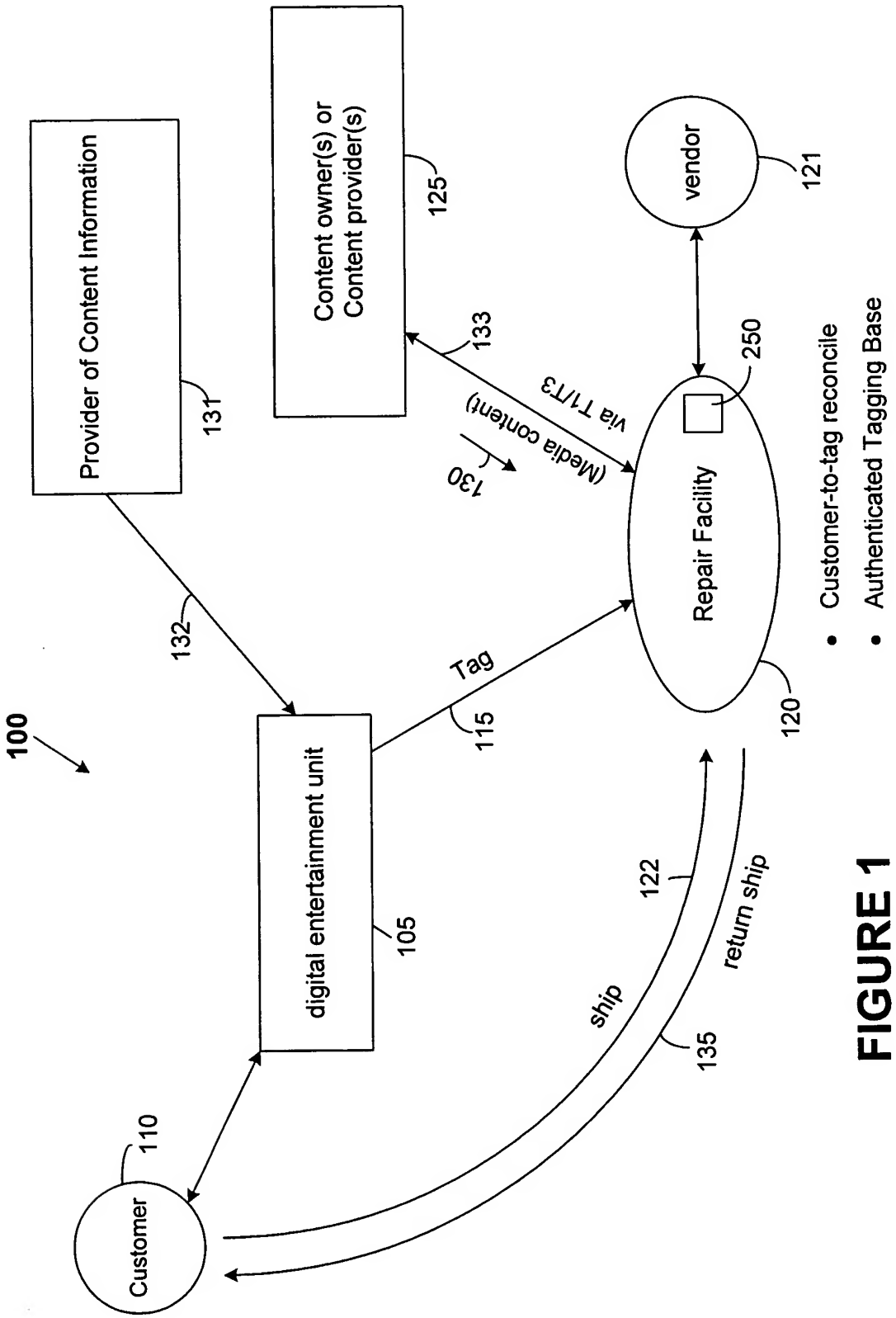

FIGURE 1

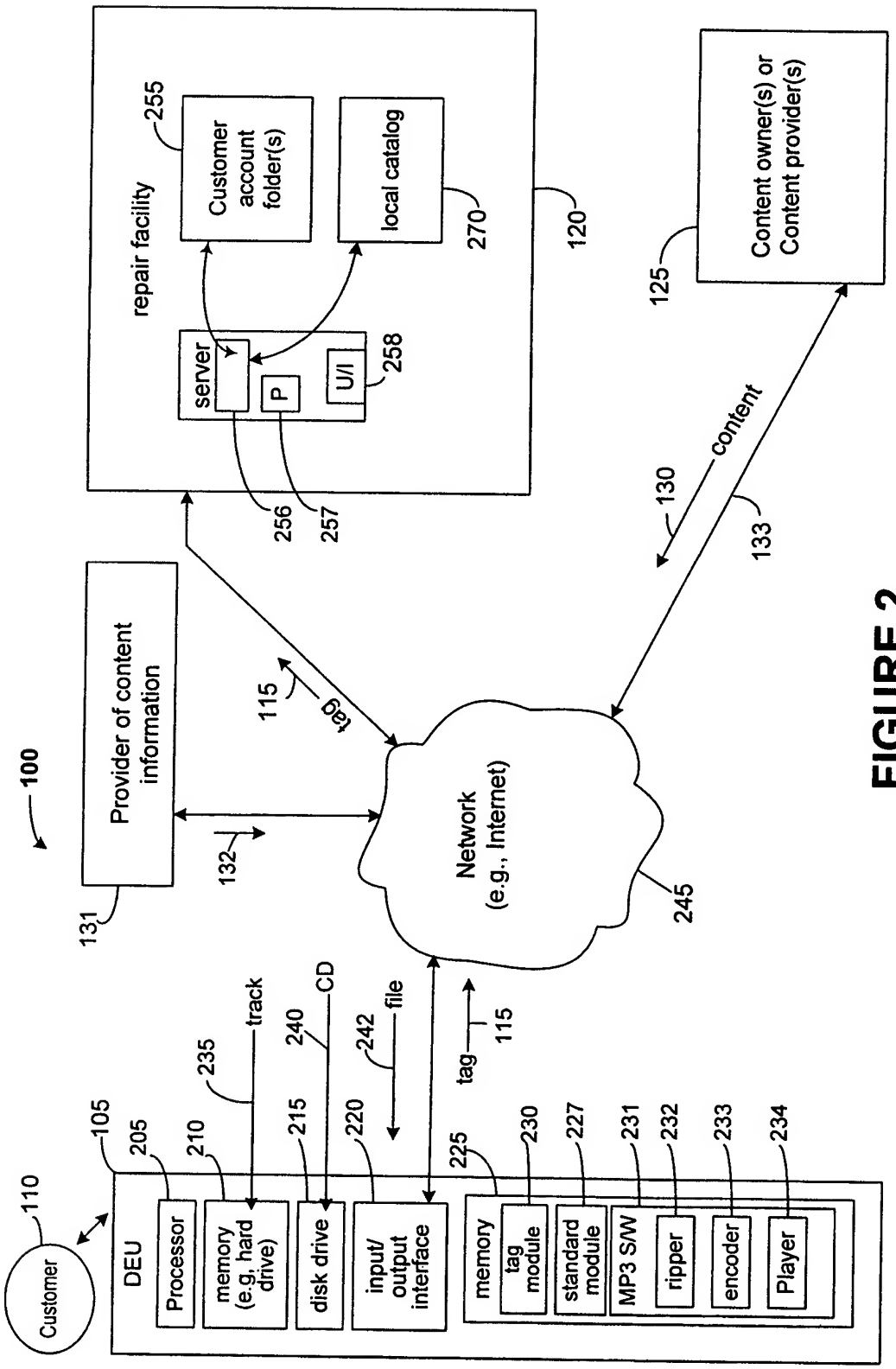
100
Customer
110
DEU
105
Processor
205
memory (e.g. hard drive)
210
disk drive
215
input/ output interface
220
memory
225
tag module
230
standard module
227
MP3 S/W
231
ripper
232
encoder
233
Player
234
track
235
CD
240
file
242
tag
115
Network (e.g., Internet)
245
Provider of content information
131
132
tag
115
repair facility
Customer account folder(s)
255
local catalog
270
120
server
P
U/I
258
256
257
Content owner(s) or Content provider(s)
125
content
130
133

FIGURE 2

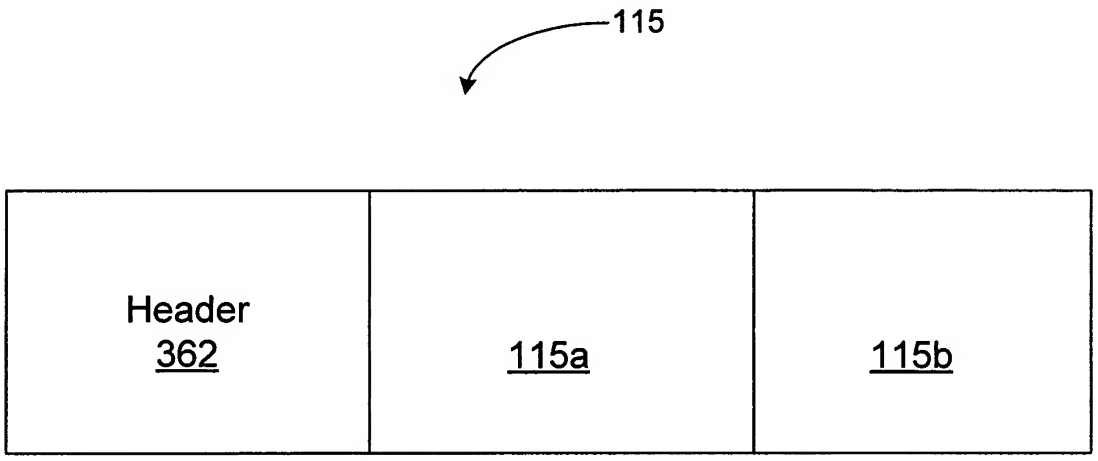

FIGURE 3

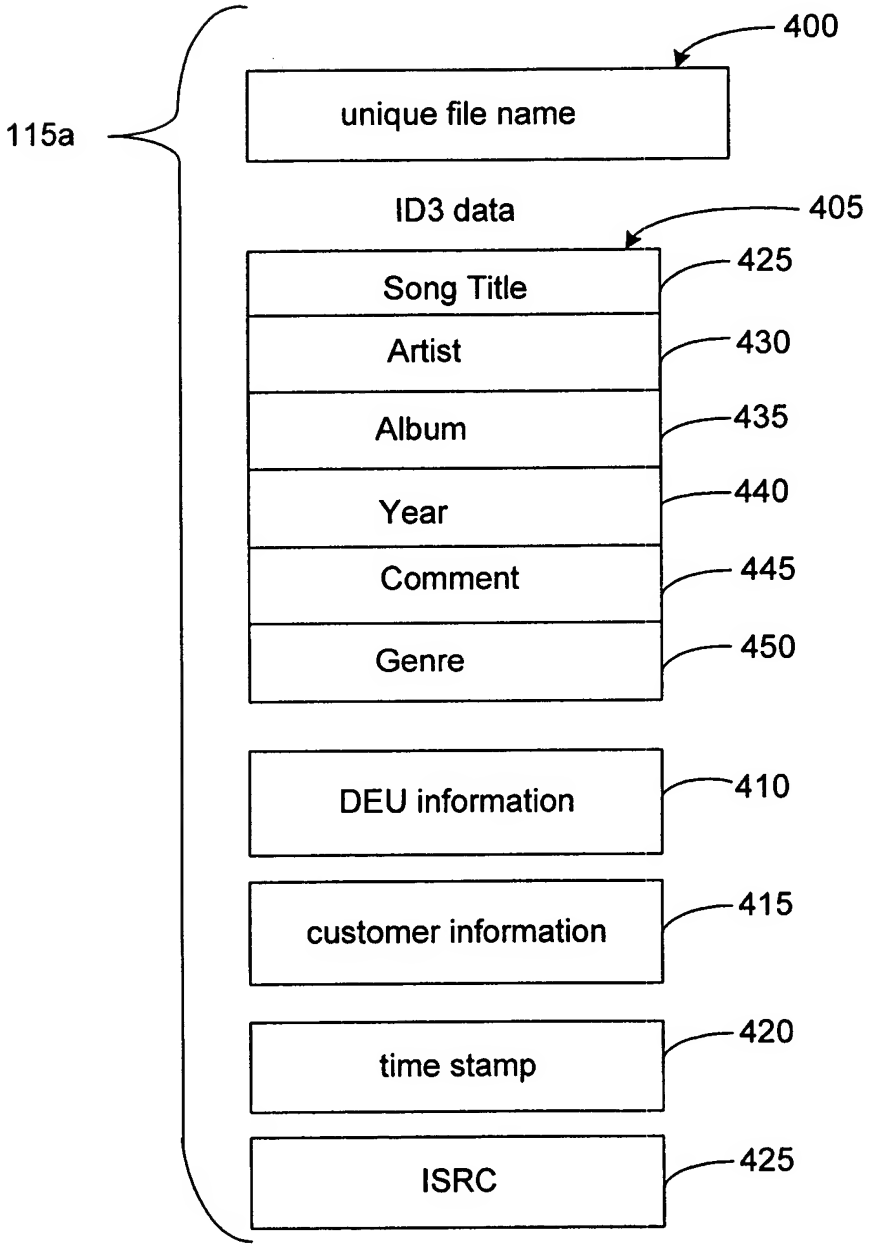
115a
400
unique file name
ID3 data
405
Song Title
425
Artist
430
Album
435
Year
440
Comment
445
Genre
450
DEU information
410
customer information
415
time stamp
420
ISRC
425

FIGURE 4

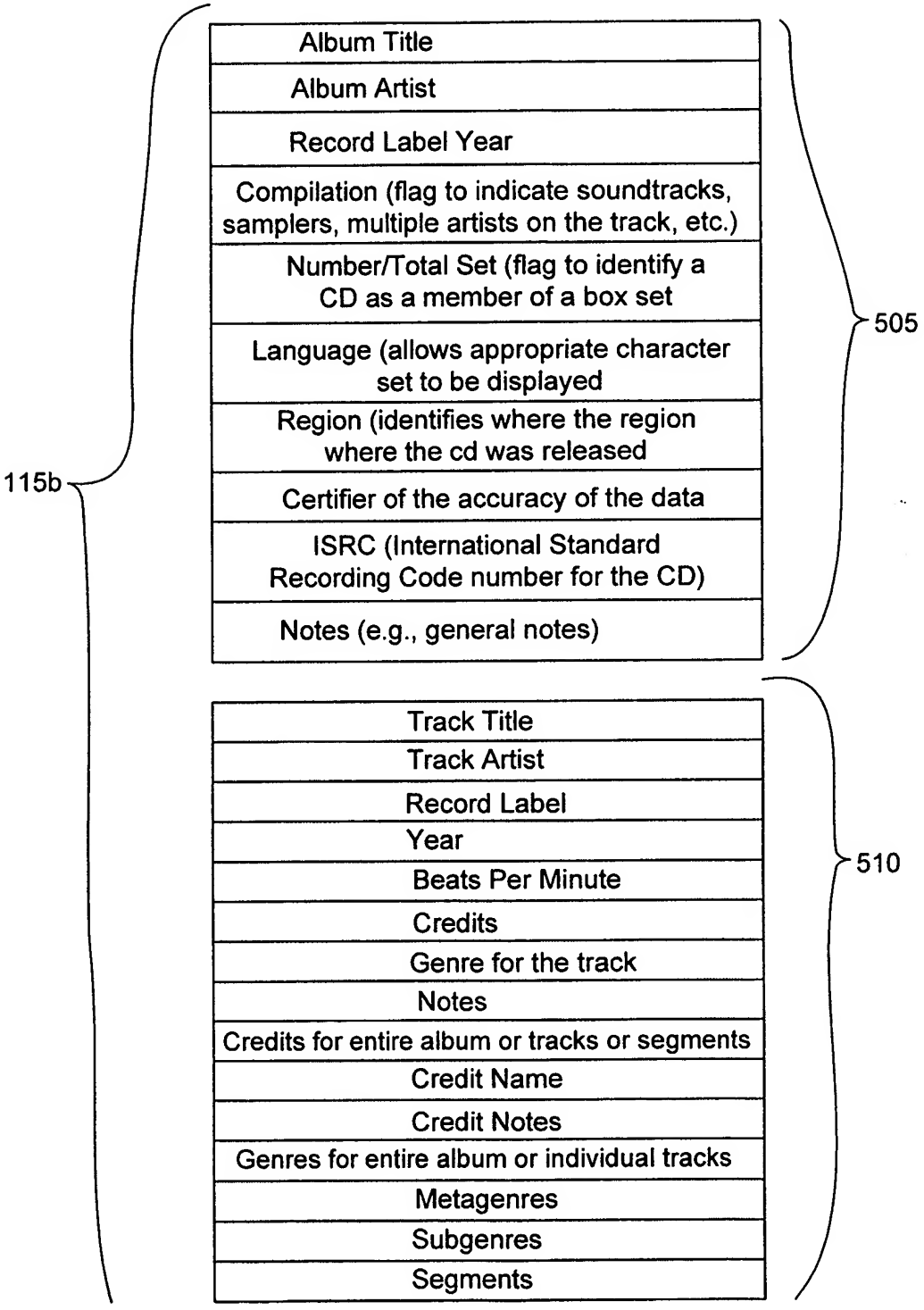
Album Title
Album Artist
Record Label Year
Compilation (flag to indicate soundtracks, samplers, multiple artists on the track, etc.)
Number/Total Set (flag to identify a CD as a member of a box set
Language (allows appropriate character set to be displayed
Region (identifies where the region where the cd was released
Certifier of the accuracy of the data
ISRC (International Standard Recording Code number for the CD)
Notes (e.g., general notes)
505
Track Title
Track Artist
Record Label
Year
Beats Per Minute
Credits
Genre for the track
Notes
Credits for entire album or tracks or segments
Credit Name
Credit Notes
Genres for entire album or individual tracks
Metagenres
Subgenres
Segments
510
115b

FIGURE 5

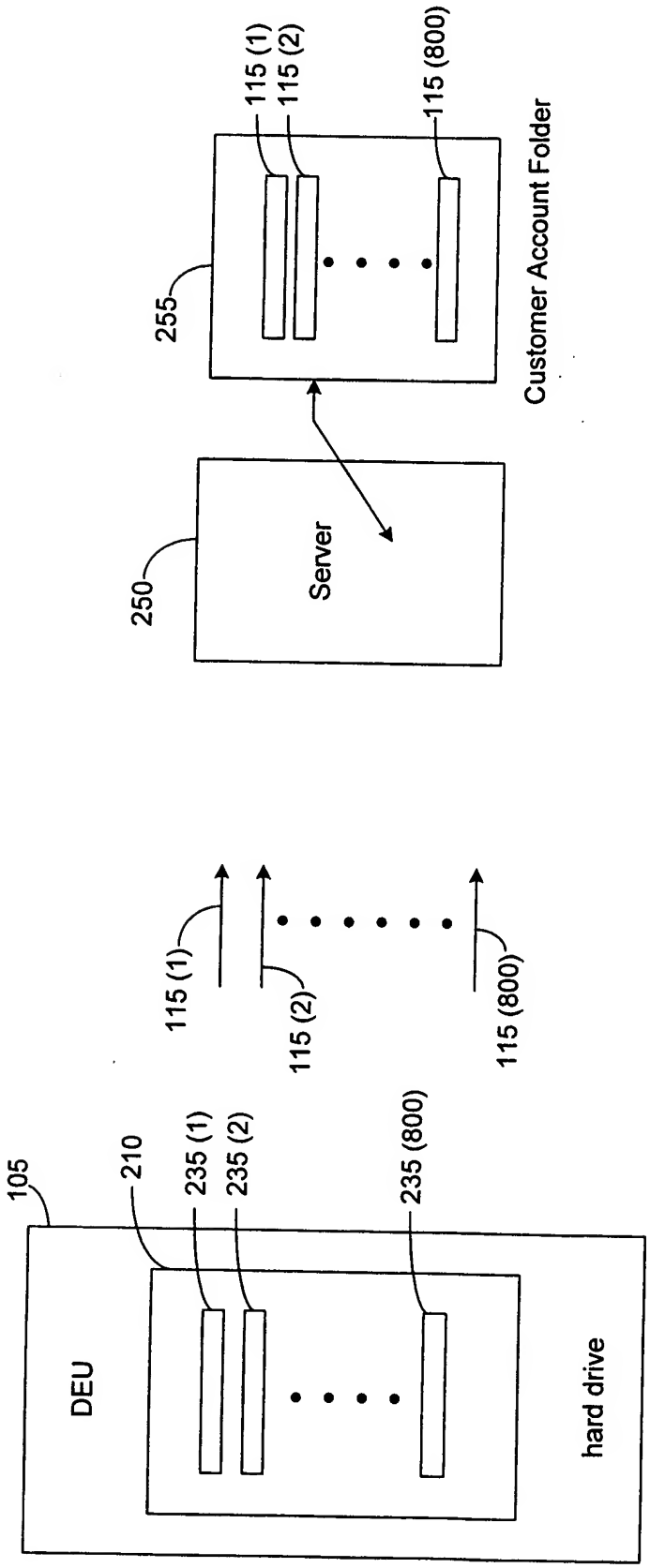
105
210
235 (1)
235 (2)
235 (800)
DEU
hard drive
115 (1)
115 (2)
115 (800)
255
Customer Account Folder
250
Server

FIG. 6

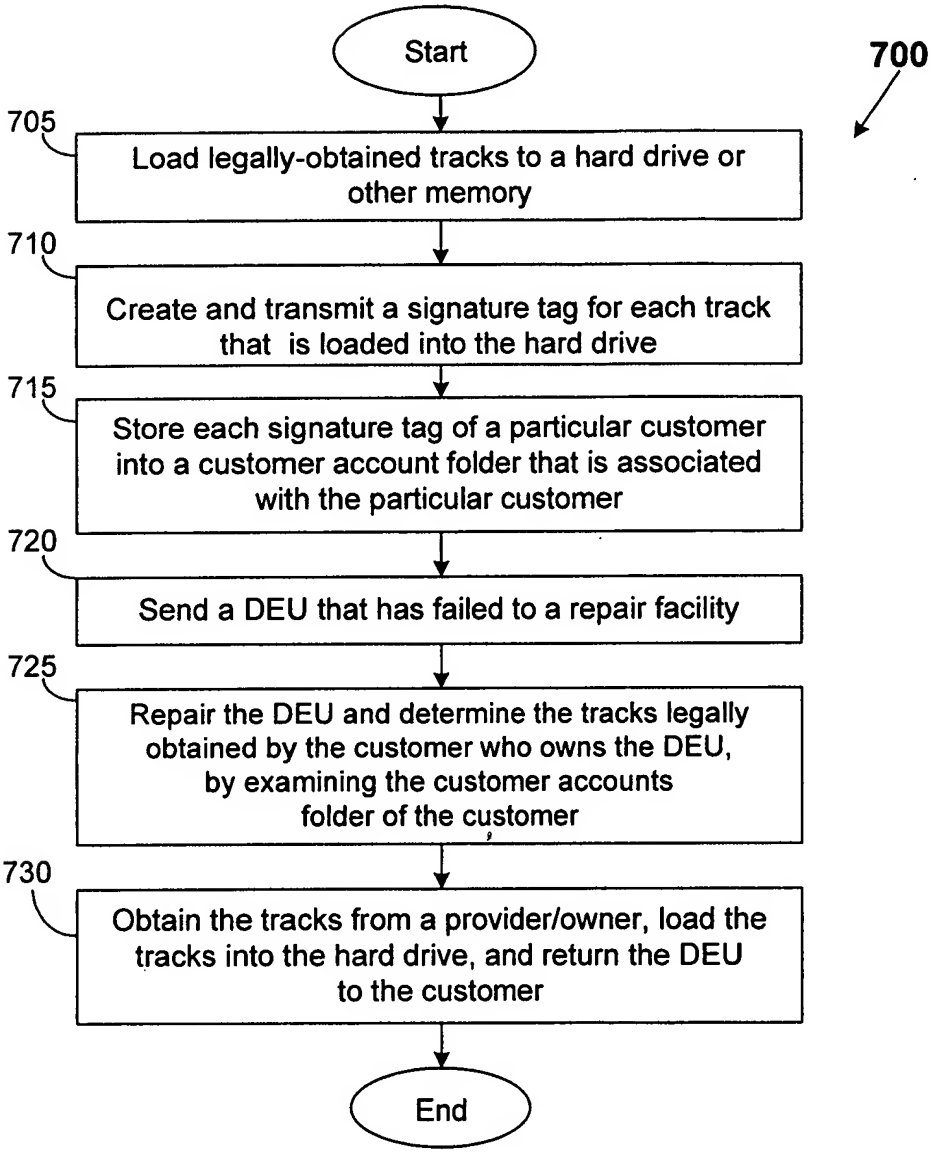
Start
700
705
Load legally-obtained tracks to a hard drive or other memory
710
Create and transmit a signature tag for each track that is loaded into the hard drive
715
Store each signature tag of a particular customer into a customer account folder that is associated with the particular customer
720
Send a DEU that has failed to a repair facility
725
Repair the DEU and determine the tracks legally obtained by the customer who owns the DEU, by examining the customer accounts folder of the customer
730
Obtain the tracks from a provider/owner, load the tracks into the hard drive, and return the DEU to the customer
End

FIGURE 7